WHAT IS CLAIMED IS:

- 1. A hyaluronic acid modification product in which hyaluronic acid and/or a pharmaceutically acceptable salt thereof is bound to a block polymer selected from polyethylene oxide-polypropylene oxide-polyethylene oxide block polymer, polypropylene oxide-polyethylene oxide-polypropylene oxide block polymer, polyethylene oxide-polylactic acid/polyglycolic acid copolymer-polyethylene oxide block polymer, polylactic acid/polyglycolic acid copolymer-polyethylene oxide-polylactic acid/polyglycolic acid copolymer, polyethylene oxide-polylactic acid-polyethylene oxide block polymer and polylactic acid-polyethylene oxide-polylactic acid block polymer.
- 2. The hyaluronic acid modification product according to claim 1, wherein said block polymer is a polyethylene oxide-polypropylene oxide-polyethylene oxide block polymer or a polypropylene oxide-polyethylene oxide-polypropylene oxide block polymer.
- 3. The hyaluronic acid modification product according to claim 1 or 2, wherein the most part of said block polymer is bound to said hyaluronic acid and/or a pharmaceutically acceptable salt thereof at only one of its two ends.
- 4. The hyaluronic acid modification product according to claim 1 or 2, wherein said block polymer is bound to said hyaluronic acid and/or a pharmaceutically acceptable salt thereof at only one of its two ends.
- 5. The hyaluronic acid modification product according to any one of claims 1 to 4, wherein said block polymer is bound to the carboxyl group of said hyaluronic acid and/or a pharmaceutically acceptable salt thereof.
- 6. The hyaluronic acid modification product according to any one of claims 1 to 5, wherein the phase transition temperature of said hyaluronic acid modification product in physiological saline and/or phosphate physiological saline is in the range from 20°C to 35°C when the concentration of said hyaluronic acid modification product is 10.0% w/v or less.
- 7. The hyaluronic acid modification product according to any one of claims 1 to 6, wherein the weight average molecular weight of said block polymer is 1200 daltons or more.

- 8. The hyaluronic acid modification product according to any one of claims 1 to 7, wherein the ratio of introduction of said block polymer into the hyaluronic acid and/or a pharmaceutically acceptable salt thereof is at least 8 mol % per the glucuronic acid in the hyaluronic acid and/or a pharmaceutically acceptable salt thereof.
- 9. The hyaluronic acid modification product according to any one of claims 1 to 8, wherein the weight average molecular weight of said hyaluronic acid and/or a pharmaceutically acceptable salt thereof is 1,500,000 daltons or less.
- 1 10. A pharmaceutical composition comprising the hyaluronic acid modification 2 product according to any one of claims 1 to 9 as its main component.
- 1 11. A pharmaceutical preparation for treating joint diseases, comprising the 2 hyaluronic acid modification product according to any one of claims 1 to 9 as its main 3 component.
- 1 12. The pharmaceutical preparation according to claim 11, wherein the joint 2 disease is loss of articular cartilage, rheumatoid arthritis, osteoarthritis or scapulo-humeral 3 periarthritis.
- 1 13. The pharmaceutical preparation according to claim 11 or 12, which is in the form of an injection.
- 1 14. A method of treating joint diseases, comprising administering to a patient an 2 effective amount of the hyaluronic acid modification product according to any one of claims 3 1 to 9.
- 1 15. The method according to claim 14, wherein the joint disease is loss of articular cartilage, rheumatoid arthritis, osteoarthritis or scapulo-humeral periarthritis.
- 1 16. An assisting or treating agent for surgical operation, comprising the 2 hyaluronic acid modification product according to any one of claims 1 to 9 as its main 3 component.

- 1 17. The assisting or treating agent according to claim 16, wherein the surgical operation is ophthalmic surgery or endoscopic mucosal resection.
- 1 18. A method of surgical operation, comprising applying to a target site a necessary amount of the hyaluronic acid modification product according to any one of claims 1 to 9.
- 1 19. The method according to claim 18, wherein the surgical operation is ophthalmic surgery or endoscopic mucosal resection.
- 1 20. A tissue repairing agent comprising the hyaluronic acid modification product 2 according to any one of claims 1 to 9 as its main component.
 - 21. The tissue repairing agent according to claim 20, which is used for repairing damage to soft tissue, atrophic irregularity after surgical operation, damage caused by Mohs' chemosurgical treatment, wrinkles or laceration scars in wrinkles.

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- 22. A tissue repairing method comprising applying to a target site a necessary amount of the hyaluronic acid modification product according to any one of claims 1 to 9.
- 1 23. The surgical operation method according to claim 22, which comprises 2 repairing damage to soft tissue, atrophic irregularity after surgical operation, damage caused 3 by Mohs' chemosurgical treatment, wrinkles or laceration scars in wrinkles.